In the Claims:

Please cancel claims 13, 27, and 31, and amend claims 1, 9, and 22, all as shown below.

1. (Currently Amended): A system, comprising:

one or more compilers, executed by one or more processors, wherein the compilers support

mixing and nesting of languages within a source file;

an extensible multi-language compiler framework, wherein the compiler framework

provides a language-independent source code editor with information about the source file,

comprising: signatures of classes defined by the source file, errors found in the source file, stack of

nested languages at any point in the source file, and information exposed by any languages; and

the language-independent source code editor, wherein the language-independent source code

editor communicates to the compiler framework using language-independent metadata;

wherein the extensible multi-language compiler framework has error correction in code-

generation, permitting a user to run code even if there is an error in the code;

wherein a thread pool allows compilation of multiple files to be performed in parallel;

wherein a type cache contains signatures for classes.

2-5. (Canceled)

6. (Previously Presented): The system of claim 1, wherein integrating a new language does not

require separate instructions to enable compiling or editing of the new language.

- 2 -

7. (Previously Presented): The system of claim 1, wherein the language-independent source

code editor displays errors for mismatched start and end XML tags embedded in the source code and

performs auto-completion of XML tags embedded in the source code.

8. (Previously Presented): The system of claim 7, wherein the language-independent source

code editor displays errors and performs auto-completion independent of the host language

embedding XML tags.

9. (Currently Amended): The system of claim 1, wherein the language-independent source

code editor provides syntax coloring and code completion for editing JWS annotations.

10 (Previously Presented): The system of claim 1, wherein the compiler framework makes it

possible to reparse in near real-time with no performance degradation noticeable to the user.

11. (Previously Presented): The system of claim 1, wherein the compiler framework enables the

language-independent source code editor to provide visual indication of errors throughout a source

file with mixed languages.

12. (Previously Presented): The system of claim 1, wherein the compiler framework keeps

track of errors in source files in a project so that a user can have a list of errors in opened and

unopened source code files in a project.

13. (Cancelled)

- 3 -

14. (Previously Presented): The system of claim 1, wherein the compiler framework allows an

outer language compiler to pass off processing of a section of a document to an inner language

compiler.

15. (Previously Presented): The system of claim 14, wherein a parse tree produced by the inner

compiler is available to the outer compiler.

16. (Previously Presented): The system of claim 15, wherein either the inner compiler or the

outer compiler can determine where the span of the inner compiler's language content ends.

17. (Previously Presented): The system of claim 1, wherein the compiler framework includes a

parser generator and a scanner generator.

18. (Previously Presented): The system of claim 17, wherein generated parsers are able to

recover from all single token errors and missing identifiers that occur during code completion.

19. (Previously Presented): The system of claim 1, wherein the compiler framework provides

the source code editor with names of classes and packages in a project and errors found in any

source files in a project.

20. (Previously Presented): The system of claim 19, wherein after the compiler framework is

notified of a change to a file, the information about the file is updated within a time limit for a

single-file recompile.

- 4 -

21. (Previously Presented): The system of claim 20, wherein after the file is recompiled, the

compiler framework provides the source code editor with a list of changes that occurred to the file

information.

22. (Currently Amended): The system of claim 1, wherein the compiler framework includes a

project compiler, wherein the project compiler contains a list of source directories and the class path

and maintains a type cache which contains Java signatures for classes in a project.

23. (Previously Presented): The system of claim 22, wherein the type cache is indexed by file

name and by class name, and maintains a current list of errors and a list of dependencies.

24. (Previously Presented): The system of claim 23, wherein the project compiler and the type

cache are serializable.

25. (Previously Presented): The system of claim 1, wherein a file compiler is used to perform

compilation of a single source file.

26. (Previously Presented): The system of claim 25, wherein the file compiler supports

interoperation of different languages by using a common intermediate language.

27. (Cancelled)

28. (Previously Presented): The system of claim 25, wherein the file compiler remembers where

the language nesting occurs for reuse on subsequent parses.

- 5 -

29. (Previously Presented): The system of claim 28, wherein the outer language implements a name resolution interface to allow the inner language to resolve references to names defined outside

of the nested language.

30. (Previously Presented): The system of claim 1, wherein all parsing is performed on

background threads.

31. (Cancelled)

- 6 -